

# **Tutorial 1: Web Information Retrieval**

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## **Abstract**

*The Web explosion offers a bonanza of algorithmic problems. In particular, information retrieval in the Web context requires methods and ideas that have not been addressed in the classic IR literature. This tutorial will survey emerging techniques for IR in the Web context and discuss some of the pertinent open problems.*

*The list of topics includes search engine technology, ranking and classification methods, Web measurements (usage, size, connectivity) and new graph and data structure problems arising in the Web IR context.*

## **Bio**

Monika R. Henzinger received her Ph.D. from Princeton University in 1993 under the supervision of Robert E. Tarjan. In fall of 1993 she joined the Computer Science Department at Cornell University as an assistant professor and received an NSF CAREER award in 1995. From 1996 to the fall of 1999 she was a member of the research staff at Digital's Systems Research Center in Palo Alto, CA. Currently, she is the director of research at Google, Inc., an Internet search-engine that uses next-generation search technology.